

IN THE CLAIMS:

The status of each claim that has been introduced in the above-referenced application is identified in the ensuing listing of the claims. This listing of the claims replaces all previously submitted claims listings.

1. (Currently amended) A programmed material consolidation system, comprising: a plurality of isolated individual fabrication chambers, each fabrication chamber of the plurality comprising a programmed material consolidation site; and at least one common component useful with more than one of the plurality of programmed material consolidation sitesdiscrete fabrication chambers.

2. (Currently amended) The programmed material consolidation system of claim 1, wherein the at least one common component comprises a selective material consolidation system.

3. (Original) The programmed material consolidation system of claim 2, wherein the material consolidation system comprises a location control element.

4. (Currently amended) The programmed material consolidation system of claim 3, wherein the location control element is configured to direct consolidating energy to a selected programmed-material consolidation siteof a selected fabrication chambers.

5. (Original) The programmed material consolidation system of claim 3, wherein the location control element comprises a plurality of galvanometers.

6. (Previously presented) The programmed material consolidation system of claim 3, further comprising:  
a plurality of mirrors positioned to direct consolidating energy from the material consolidation system toward each programmed material consolidation site associated therewith, each

mirror of the plurality of mirrors being located within a range of movement of the location control element.

7. (Original) The programmed material consolidation system of claim 1, wherein the at least one common component comprises a cleaning component for removing unconsolidated material from fabricated objects or fabrication substrates that carry fabricated objects.

8. (Currently amended) The programmed material consolidation system of claim 1, wherein the at least one common component comprises a substrate handling system associated with more than one of the plurality of ~~programmed material consolidation sites~~individual fabrication chambers.

9. (Original) The programmable material consolidation system of claim 8, wherein the substrate handling system comprises a rotary feed system.

10. (Original) The programmable material consolidation system of claim 8, wherein the substrate handling system comprises a linear feed system.

11. (Currently amended) The programmable material consolidation system of claim 8, wherein the substrate handling system is configured to introduce one or more substrates into ~~each of the plurality of~~ ~~programmed material consolidation sites~~site of each of the plurality of individual fabrication chambers.

12. (Original) The programmable material consolidation system of claim 8, further comprising:  
a cleaning component.

13. (Currently amended) The programmable material consolidation system of claim 12, wherein the substrate handling system is configured to transport one or more substrates having at least one feature fabricated thereon from a programmed material consolidation site of a fabrication chamber of the plurality of programmed material consolidation sites fabrication chambers to the cleaning component.

14. (Currently amended) The programmable material consolidation system of claim 13, wherein the substrate handling system is configured to transport substrates from each of the plurality of programmed material consolidation sites site of each fabrication chamber of the plurality of fabrication chambers to the cleaning component.

15. (Original) The programmable material consolidation system of claim 14, further comprising:

at least one processing element for controlling operation of the substrate handling system.

16. (Currently amended) The programmable material consolidation system of claim 15, wherein the at least one processing element is configured to orchestrate movement of substrates from the plurality of programmed material consolidation sites fabrication chamber to the cleaning component.

17-22 (Canceled)

23. (Currently amended) A programmed material consolidation system, comprising: means for selectively directing consolidating energy toward at least two individually confined fabrication sites individual fabrication chambers of a programmed material consolidation system to consolidate previously unconsolidated material at a programmed material consolidation site of each fabrication chamber of the at least two distinct fabrication sites individual fabrication chambers.

24. (Currently amended) The programmed material consolidation system of claim 23, wherein the means for selectively directing is configured to direct the consolidating energy toward at least one substrate ~~at in~~ at least one of the at least two ~~distinct individual~~ fabrication ~~sites chambers~~.

25. (Currently amended) The programmed material consolidation system of claim 24, further comprising:

means for removing the at least one substrate from a first fabrication ~~site chamber~~ of the at least two ~~individual fabrication sites chambers~~ as consolidating energy is directed toward a second fabrication ~~site chamber~~ of the at least two ~~individual fabrication sites chambers~~.

26. (Currently amended) The programmed material consolidation system of claim 25, further comprising:

means for placing another substrate at the first fabrication ~~site chamber~~ following the removing.

27. (Currently amended) The programmed material consolidation system of claim 26, wherein the means for selectively directing is configured to redirect consolidating energy toward the first fabrication ~~site chamber~~ after consolidating energy has been directed toward the second fabrication ~~site chamber~~ and after placement of the another substrate in the first fabrication ~~site chamber~~.

28. (Previously presented) The programmed material consolidation system of claim 23, wherein the means for selectively directing consolidating energy comprises means for selectively directing a beam of ultraviolet radiation.